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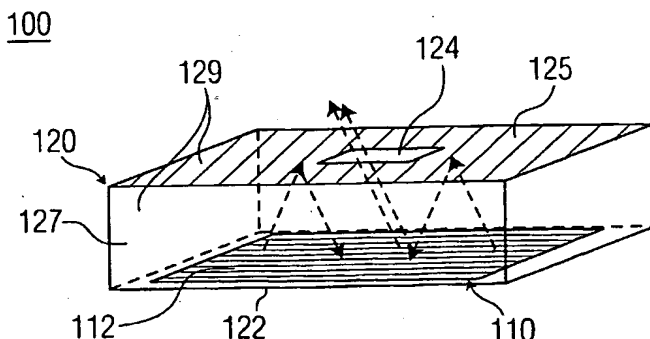
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(54) Title: HIGH BRIGHTNESS ILLUMINATION DEVICE WITH INCOHERENT SOLID STATE LIGHT SOURCE



(57) Abstract: An illumination light source includes an incoherent solid state light source adapted to emit light over at least one light emission surface (212) and having a total light emission surface area S_0 ; a light circulation device (220) including at least one light receiving surface (222) adapted to receive the light from the incoherent solid state light source, and a light extraction area (224) having a first surface area S_1 ; and a light extraction device (230) for extracting the light from the light circulation device at the light extraction area, wherein $S_1 < S_0$. Accordingly, the apparent brightness of the light is increased by distributing it over a smaller area. Embodiments involving light emitting diodes (LED) are described.



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